

03 DEC 2004

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 December 2003 (11.12.2003)

PCT

(10) International Publication Number
WO 03/102289 A1

(51) International Patent Classification⁷: **D06F 39/02**

K. [US/US]; 3900 Island Boulevard - PH-7, Aventura, FL 33160 (US). STEINER, Michael, Scott [US/US]; 400 Holiday Drive, Hallandale, FL 33009 (US).

(21) International Application Number: PCT/US03/17392

(74) Agents: SCHWARTZ, Robert, M. et al.; Ruden, McClosky, Smith, Schuster & Russell, P.A., 200 East Broward Boulevard, Fort Lauderdale, FL 33301 (US).

(22) International Filing Date: 3 June 2003 (03.06.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

(26) Publication Language: English

(30) Priority Data:
60/385,384 3 June 2002 (03.06.2002) US
10/333,675 22 January 2003 (22.01.2003) US

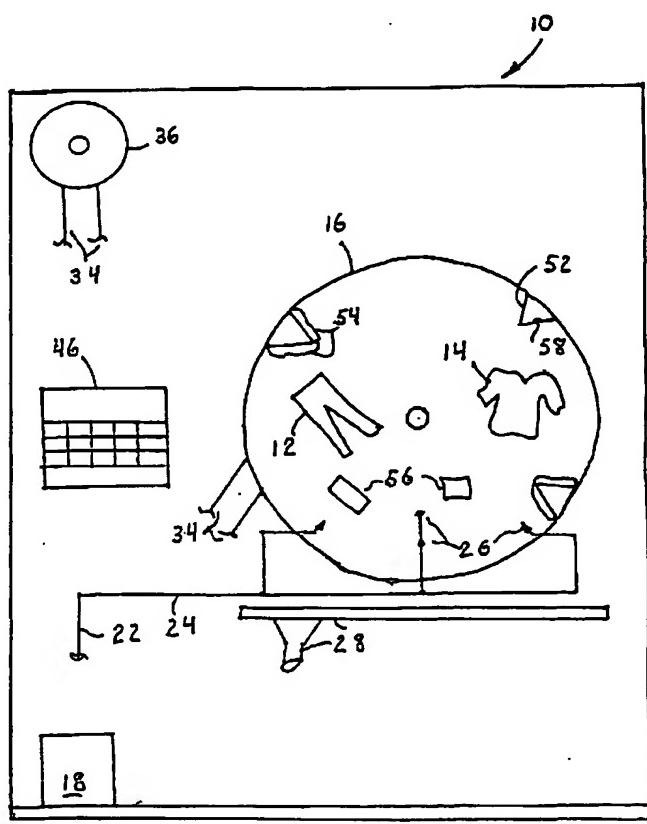
(71) Applicant (*for all designated States except US*):
STEINER-ATLANTIC CORP. [US/US]; 290 N.E.
68th Street, Miami, FL 33138 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): STEINER, William,

[Continued on next page]

(54) Title: WRINKLE DETERRING AND TEXTILE CLEANING PROCESSES AND APPARATUSES



(57) Abstract: Processes and apparatuses (10) for commercial and home-use cleaning of textile. Home-use embodiments replace the home laundry clothes dryer, except for embodiments using a novel manual kit (K). Soiled/stained textile (12, 14) sprayed dampened with solvent, preferably automatically in the dryer apparatus' rotatable drum (16); but the textile therein is not soaked nor immersed in solvent. Highly absorbent, untreated pad material (3, 56) is placed into the drum, for rubbing against the tumbling textile (12, 14), to remove the soil, stains and solvent, as well as provide wrinkle deterring hydration. Also, for home-use washer and washer-dryer combined units, the pad material (3, 56) can be placed into the drum (16) prior to the washing cycle, to enhance the scrubbing action.

WO 03/102289 A1



ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report*
- *with amended claims and statement*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Declaration under Rule 4.17:

- *of inventorship (Rule 4.17(iv)) for US only*